

ACS MODING ACTIVATION AND CHECKOUT

- PCS 1. VERIFY NCS CDH COMMAND CAPABILITY AND AVAILABILITY
ACS Moding
ACS Moding
'C&DH'

√Major State/MDM ID Primary NCS - Primary/N1-2

√ACS Moding Application Status Primary NCS - Init/Ena

√Major State/MDM ID Secondary NCS - Sec/N1-1

√ACS Moding Application Status Secondary NCS - Init/Ena

- PCS 2. NCS ACS MODING ROLE CONFIGURATION
ACS Moding
ACS Moding
'ACS Configuration'

NOTE

Moding the NCS software to FULL allows the NCS MDMs to monitor both sets of PMA docking sensors.

sel Moding Role Primary NCS - Command

cmd Arm Execute

√Moding Role Arm Primary NCS - X

sel Moding Role Primary NCS - Command

cmd Full Execute

√Moding Role Arm Primary NCS - Blank

√Moding Role Primary NCS - Full

sel Moding Role Secondary NCS - Command

cmd Arm Execute

√Moding Role Arm Secondary NCS - X

sel Moding Role Secondary NCS - Command

cmd Full Execute

√Moding Role Arm Secondary NCS - Blank

√Moding Role Secondary NCS - Full

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* If Primary/Secondary NCS Moding Role Arm is not Blank (Off), *
* or the need to set the Mode Role has been deferred, then the *
* following command should be sent. *
* *
* sel Moding Role Primary, Secondary NCS - Command *
* cmd Disarm Execute *
* √Moding Role Arm Primary, Secondary NCS - Blank *
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‘ACS Configuration’

√LED Control SW Primary NCS - Inh
√LED Control SW Secondary NCS - Inh

√PMA2 LED State Primary NCS - Off
√PMA2 LED State Secondary NCS - Off

√PMA3 LED State Primary NCS - Off
√PMA3 LED State Secondary NCS - Off

3. PMA 2(3) ARRIVAL SOFTWARE DEFAULT VERIFICATION

NOTE

1. This section verifies the default values of the NCS ACS software after MDM activation.
2. The hardware signals on the “ACS Moding HW Signals” page should be verified according to the current docked configuration - this check is not explicitly called out as a procedural step.

PCS

ACS Moding

ACS Moding

‘Arrival’

√PMA2 Arrival Response SW Arm Primary NCS - Blank
√PMA2 Arrival Response SW Primary NCS - Inh

√PMA2 Arrival Response SW Arm Secondary NCS - Blank
√PMA2 Arrival Response SW Secondary NCS - Inh

√PMA3 Arrival Response SW Arm Primary NCS - Blank
√PMA3 Arrival Response SW Primary NCS - Inh

√PMA3 Arrival Response SW Arm Secondary NCS - Blank
√PMA3 Arrival Response SW Secondary NCS - Inh

√Arrival Event Primary NCS - Blank
√Arrival Event Secondary NCS - Blank

4. PMA 2(3) DEPARTURE SOFTWARE DEFAULT VERIFICATION
'Departure'

√PMA2 Departure Response SW Arm Primary NCS - Blank

√PMA2 Departure Response SW Primary NCS - Inh

√PMA2 Departure Response SW Arm Secondary NCS - Blank

√PMA2 Departure Response SW Secondary NCS - Inh

√PMA3 Departure Response SW Arm Primary NCS - Blank

√PMA3 Departure Response SW Primary NCS - Inh

√PMA3 Departure Response SW Arm Secondary NCS - Blank

√PMA3 Departure Response SW Secondary NCS - Inh

√Departure Event Primary NCS - Blank

√Departure Event Secondary NCS - Blank

5. VERIFY RUSSIAN SEGMENT MODE STATUS

√**MCC-H** has attained confirmation that NCS is monitoring the proper RS signals (i.e., FGB or SM): pending data dump of buffer information, 2A - FGB.

'ACS Configuration'

√RS Mode Primary, Secondary NCS - Drift

PCS

FGB: MCS

FGB: MCS

√GNC State - Drift

NOTE

If RS Mode is BLANK, then, confirmation of RS systems status should be completed via voice communications.